

Appendix B.

Index of Documents Supporting the Chesapeake Bay TMDL

EPA is building an index of documents (with URL links for direct electronic access) that includes materials EPA and its seven watershed jurisdictional partners relied upon by the in development of the Bay TMDL. These documents include but are not limited to data, analyses, computer programs, computer model code, scientific/technical references used or cited in the main Bay TMDL document, records of formal correspondence with the jurisdictional partners, relevant partnership meetings/conference calls, and other supporting materials.

The listed documents are organized by subcategories to assist the reader in locating documents of interest. For each listed document, full reference citation (in the case of a formal publication) and URL address for direct web-based electronic access to the document will be provided. In the case of reference to data, the data repository and the URL address for direct electric access to the data will be provided. Some of the individual documents are listed in multiple categories to aid the readers to get access the correct documents.

The final Bay TMDL will include a more comprehensive and complete index of documents. The ultimate objective of this appendix is to ensure direct public access to the full array of data, documentation, models and computer programming that supported development of the Chesapeake Bay TMDL.

Chesapeake Bay Program Research Phase (1975–1982) Synthesis and Recommendations Documents

- Framework for Action

U.S. Environmental Protection Agency. 1983. Chesapeake Bay: A Framework for Action. U.S. Environmental Protection Agency, Philadelphia, PA.

- Framework for Action Appendices

U.S. Environmental Protection Agency. 1983. Chesapeake Bay: A Framework for Action—Appendices. U.S. Environmental Protection Agency, Philadelphia, PA.

- Profile for Environmental Change

U.S. Environmental Protection Agency. 1983. Chesapeake Bay: A Profile of Environmental Change. U.S. Environmental Protection Agency, Philadelphia, PA.

- Findings and Recommendations

U.S. Environmental Protection Agency. 1983. Chesapeake Bay Program: Findings and Recommendations. U.S. Environmental Protection Agency, Philadelphia, PA.

- Technical Studies Synthesis

U.S. Environmental Protection Agency. 1982. Chesapeake Bay Program Technical Studies: A Synthesis. U.S. Environmental Protection Agency, Washington, DC.

Chesapeake Bay Agreements, Directives, Memoranda of Understanding Relevant to Bay Water Quality

- 1983 Chesapeake Bay Agreement
Chesapeake Bay Partnership. 1983. *The Chesapeake Bay Agreement of 1983*. Chesapeake Bay Partnership, Washington, DC.
- 1987 Chesapeake Bay Agreement
Chesapeake Executive Council. 1987. *Chesapeake Bay Agreement*. Chesapeake Bay Program, Annapolis, Maryland.
- 1992 Amendments to the Chesapeake Bay Agreement
Chesapeake Executive Council. 1992. *Amendments to the Chesapeake bay Agreement*. Chesapeake Bay Program, Annapolis, Maryland.
- Chesapeake Executive Council Directive 93-1
Chesapeake Executive Council). 1993. Directive 93-1—Joint Tributary Strategy Statement. Chesapeake Executive Council, Annapolis, MD.
- Chesapeake Executive Council Directive 93-3
Chesapeake Executive Council). 1993. 93-3—Adoption Statement on Submerged Aquatic Vegetation. Chesapeake Executive Council, Annapolis, MD.
- Chesapeake Executive Council Directive 97-1—Baywide Nutrient Reduction Progress and Future Directions
Chesapeake Executive Council). 1997. Directive No. 97-1 Basinwide Nutrient Reduction Progress and Future Direction. Chesapeake Executive Council, Annapolis, MD.
- Chesapeake 2000
Chesapeake Executive Council. 2000. *Chesapeake 2000*. Chesapeake Bay Program, Annapolis, Maryland.
<http://www.chesapeakebay.net/pubs/chesapeake2000agreement.pdf>
- 2001 Six State MOU
Chesapeake Executive Council and Headwater States Governors. 2000. *Memorandum Among the State of Delaware, the District of Columbia, the State of Maryland, the State of New York, the Commonwealth of Pennsylvania, the Commonwealth of Virginia, the State of West Virginia, and the United States Environmental Protection Agency Regarding the Cooperative Efforts for the Protection of the Chesapeake Bay and Its Rivers*. Chesapeake Bay Program Office, Annapolis, Maryland.
http://www.chesapeakebay.net/pubs/waterqualitycriteria/DOC_wq_finalmou.pdf

- 2003 Principals' Staff Committee memorandum
Secretary Tayloe Murphy. 2003. "Summary of Decisions Regarding Nutrient and Sediment Load Allocations and New Submerged Aquatic Vegetation (SAV) Restoration Goals." April 25, 2003, Memorandum to the Principals' Staff Committee members and representatives of the Chesapeake Bay headwater states. Virginia Office of the Governor, Natural Resources Secretariate, Richmond, Virginia.
- Chesapeake Executive Council Directive No. 03-02

Chesapeake Executive Council. 2003. Directive No. 03-02 Meeting the Nutrient and Sediment Reduction Goals. Chesapeake Executive Council, Annapolis, MD.
- Chesapeake Executive Council Directive 04-2

Chesapeake Executive Council). 2005. Directive No. 04-02 Meeting the Nutrient and Sediment Reduction Goals—Next Steps. Chesapeake Executive Council, Annapolis, MD.

Chesapeake Bay Program Authorizing Legislation

- Clean Water Act
- Clean Water Act Section 117

Chesapeake Bay Program Organizational Structure

- CBP Reorganization Documentation

Chesapeake Bay Program. 2009. *Chesapeake Bay Program Governance—Managing the Partnership for a Restored and Protected Watershed and Bay*. U.S. Environmental Protection Agency, Chesapeake Bay Program, Annapolis, MD.

Chesapeake Bay TMDL and Chesapeake Bay Program Websites

- Chesapeake Bay TMDL Website
www.epa.gov/chesapeakebaytmdl
- Chesapeake Bay Program partnership website
www.chesapeakebay.net
- Executive Order website
<http://executiveorder.chesapeakebay.net>
- ChesapeakeStat website
<http://stat.chesapeakebay.net>

Chesapeake Bay Water Quality Criteria Related Documents

- 1987 Habitat Requirements for Chesapeake Bay Living Resources

CBP (Chesapeake Bay Program). 1987. *Habitat Requirements for Chesapeake Bay Living Resources*. U.S. Environmental Protection Agency, Chesapeake Bay Program, Chesapeake Bay Living Resources Task Force, Annapolis, MD.

- 1992 Habitat Requirements for Chesapeake Bay Living Resources-Second Edition

Funderburk, S.L., S.J. Jordan, J.A. Mihursky, and D.R. Riley (eds). 1991. *Habitat Requirements for Chesapeake Bay Living Resources, 1991 Second Edition*. Living Resources Subcommittee, Chesapeake Bay Program, Annapolis, MD.

- 1991 SAV Technical Synthesis

Batiuk, R.A., R. Orth, K. Moore, J.C. Stevenson, W. Dennison, L. Staver, V. Carter, N.B. Rybicki, R. Hickman, S. Kollar, and S. Bieber. 1992. *Chesapeake Bay Submerged Aquatic Vegetation Habitat Requirements and Restoration Targets: A Technical Synthesis*. CBP/TRS 83/92. U.S. Environmental Protection Agency Chesapeake Bay Program, Annapolis, MD.

- 2001 SAV Technical Synthesis

Batiuk, R.A., P. Bergstrom, M. Kemp, E. Koch, L. Murray, J.C. Stevenson, R. Bartleson, V. Carter, N.B. Rybicki, J.M. Landwehr, C. Gallegos, L. Karrh, M. Naylor, D. Wilcox, K., A. Moore, S. Ailstock, and M. Teichberg. 2000. *Chesapeake Bay Submerged Aquatic Vegetation Water Quality and Habitat-Based Requirements and Restoration Targets: A Second Technical Synthesis*. CBP/TRS 245/00 EPA 903-R-00-014. U.S. Environmental Protection Agency, Chesapeake Bay Program, Annapolis, MD.

- 1992 Chesapeake Bay Dissolved Oxygen Restoration Goal

Jordan, S.J., C. Stenger, M. Olson, R. Batiuk, and K. Mountford. 1992. *Chesapeake Bay dissolved oxygen goal for restoration of living resource habitats: A synthesis of living resource requirements with guidelines for their use in evaluating model results and monitoring information*. CBP/TRS 88/93. U.S. Environmental Protection Agency, Chesapeake Bay Program Office, Annapolis, MD.

- 2003 Chesapeake Bay water quality criteria document

U.S. Environmental Protection Agency. 2003. *Ambient Water Quality Criteria for Dissolved Oxygen, Water Clarity and Chlorophyll a for the Chesapeake Bay and Its Tidal Tributaries*. EPA 903-R-03-002. Region 3 Chesapeake Bay Program Office, Annapolis, Maryland.
<http://www.chesapeakebay.net/baycriteria.htm>

- 2004 Chesapeake Bay water quality criteria addendum

U.S. Environmental Protection Agency. 2004. *Ambient Water Quality Criteria for Dissolved Oxygen, Water Clarity and Chlorophyll a for the Chesapeake Bay and Its Tidal Tributaries–*

2004 Addendum. EPA 903-R-04-005. Region 3 Chesapeake Bay Program Office, Annapolis, Maryland.

<http://www.chesapeakebay.net/baycriteria.htm>

- 2007 Chesapeake Bay water quality criteria addendum

U.S. Environmental Protection Agency. 2007. *Ambient Water Quality Criteria for Dissolved Oxygen, Water Clarity and Chlorophyll *a* for the Chesapeake Bay and Its Tidal Tributaries–2007 Addendum*. EPA 903-R-07-003. CBP/TRS 285-07. Region 3 Chesapeake Bay Program Office, Annapolis, Maryland. <http://www.chesapeakebay.net/baycriteria.htm>

- 2007 Bay criteria—chlorophyll *a* criteria addendum

U.S. Environmental Protection Agency. 2007. *Ambient Water Quality Criteria for Dissolved Oxygen, Water Clarity and Chlorophyll *a* for the Chesapeake Bay and Its Tidal Tributaries–2007 Chlorophyll *a* Criteria Addendum*. EPA 903-R-07-005. CBP/TRS 288-07. Region 3 Chesapeake Bay Program Office, Annapolis, Maryland.

<http://www.chesapeakebay.net/baycriteria.htm>

- 2008 Chesapeake Bay water quality criteria addendum

USEPA (U.S. Environmental Protection Agency). 2008. *Ambient Water Quality Criteria for Dissolved Oxygen, Water Clarity and Chlorophyll *a* for the Chesapeake Bay and Its Tidal Tributaries–2008 Technical Support for Criteria Assessment Protocols Addendum*. EPA 903-R-08-001. CBP/TRS 290-08. U.S. Environmental Protection Agency, Region 3, Chesapeake Bay Program Office, Annapolis, MD.

<http://www.chesapeakebay.net/baycriteria.htm>

- 2010 Chesapeake Bay water quality criteria addendum

USEPA (U.S. Environmental Protection Agency). 2010. *Ambient Water Quality Criteria for Dissolved Oxygen, Water Clarity and Chlorophyll *a* for the Chesapeake Bay and Its Tidal Tributaries: 2010 Technical Support for Criteria Assessment Protocols Addendum*. May 2010. EPA 903-R-10-002. CBP/TRS 301-10. U.S. Environmental Protection Agency, Region 3 Chesapeake Bay Program Office, Annapolis, MD.

- Virginia James River Chlorophyll *a* Criteria document

VADEQ (Virginia Department of Environmental Quality). 2004. *James River Alternatives Analysis*. Addendum #4. Virginia Department of Environmental Quality, Richmond, VA.

- NOAA Biological Opinion for Shortnose Sturgeon

National Marine Fisheries Service. 2003. National Marine Fisheries Service Endangered Species Act Biological Opinion--Ambient Water Quality Criteria for Dissolved Oxygen, Water Clarity and Chlorophyll *a* for the Chesapeake Bay and Its Tidal Tributaries–2007

Chlorophyll a Criteria Addendum. F/NER/2003/00961. National Marine Fisheries Service, Northeast Region, Gloucester, Massachusetts.

- EPA Biological Evaluation for Shortnose Sturgeon

U.S. Environmental Protection Agency. 2003. *Biological Evaluation for the Issuance of Ambient Water Quality Criteria for Dissolved Oxygen, Water Clarity and Chlorophyll a for the Chesapeake Bay and its Tidal Tributaries*. Region 3 Chesapeake Bay Program Office, Annapolis, Maryland.

<http://www.chesapeakebay.net/baycriteria.htm>

- EPA correspondence to NOAA on 2004 Bay criteria addendum
- NOAA confirmation of concurrence of the 2004 Bay criteria addendum
- EPA correspondence to NOAA on 2007 Bay criteria addendum
- NOAA confirmation of concurrence of the 2007 Bay criteria addendum
- STAC Review of the CFD-Based Criteria assessment procedures

STAC (Scientific and Technical Advisory Committee). 2006b. *The Cumulative Frequency Diagram Method for Determining Water Quality Attainment: Report of the Chesapeake Bay Program STAC Panel to Review Chesapeake Bay Analytical Tools*. STAC Publication 06-003. Chesapeake Bay Program Scientific and Technical Advisory Committee. Chesapeake Research Consortium, Edgewater, MD.

- VAMWA comments on the biological reference curves
- EPA response to VAMWA comments on the biological reference curves
- STAC peer review of the biological reference curves

STAC (Scientific and Technical Advisory Committee). 2009. *Application of reference curves in dissolved oxygen criteria assessment. STAC Review and Recommendations for the Chesapeake Bay Program*. STAC Publication 09-005. Chesapeake Bay Program Scientific and Technical Advisory Committee. Chesapeake Research Consortium, Edgewater, MD.

- Presentation and advance briefing materials provided to the STAC bio-reference curves review panel
- Criteria Attainment assessment of Bay Water Quality Model Scenario Outputs

Linker, L., G. Shenk, P. Wang, C. Cerco, A. Butt, P. Tango, and R. Savage. 2002. *A Comparison of Chesapeake Bay Estuary Model Calibration with 1985–1994 Observed Data and Method of Application to Water Quality Criteria*. Chesapeake Bay Program Modeling

Subcommittee Report. U.S. Environmental Protection Agency, Chesapeake Bay Program Office, Annapolis, MD.

- Chesapeake Bay water quality criteria assessment procedures computer programming code
- Chesapeake Bay Program Interpolator code

Chesapeake Bay Segmentation Scheme

- 1983 Chesapeake Bay: A Framework for Action-Appendix F
U.S. Environmental Protection Agency. 1983. Chesapeake Bay: A Framework for Action—Appendices. U.S. Environmental Protection Agency, Philadelphia, PA.
- 2004 CBP segmentation scheme report

Chesapeake Bay Program. 2004. *Chesapeake Bay Program Analytical Segmentation Schemes: Revision, decisions and rationales, 1983-2003*. EPA 903-R-04-008. CBP/TRS 268/04. Chesapeake Bay Program Office, Annapolis, Maryland.
<http://www.chesapeakebay.net/segmentscheme.htm>

- 2005 CBP segmentation scheme report addendum

Chesapeake Bay Program. 2005. *Chesapeake Bay Program Analytical Segmentation Schemes: Revision, decisions and rationales, 1983-2003—2005 Addendum*. EPA 903-R-05-004. CBP/TRS 278/06. Chesapeake Bay Program Office, Annapolis, Maryland.
<http://www.chesapeakebay.net/segmentscheme.htm>

- 2008 Chesapeake Bay water quality criteria addendum

USEPA (U.S. Environmental Protection Agency). 2008a. *Ambient Water Quality Criteria for Dissolved Oxygen, Water Clarity and Chlorophyll a for the Chesapeake Bay and Its Tidal Tributaries—2008 Technical Support for Criteria Assessment Protocols Addendum*. EPA 903-R-08-001. CBP/TRS 290-08. U.S. Environmental Protection Agency, Region 3, Chesapeake Bay Program Office, Annapolis, MD.

Chesapeake Bay Designated Uses and Use Attainability

- 2003 Bay designated use document

U.S. Environmental Protection Agency. 2003. *Technical Support Document for Identification of Chesapeake Bay Designated Uses and Attainability*. EPA 903-R-03-004. Region 3 Chesapeake Bay Program Office, Annapolis, Maryland.
<http://www.chesapeakebay.net/uaasupport.htm>

- 2004 Bay designated use document addendum
U.S. Environmental Protection Agency. 2004. *Technical Support Document for Identification of Chesapeake Bay Designated Uses and Attainability—2004 Addendum*. EPA 903-R-04-006. Region 3 Chesapeake Bay Program Office, Annapolis, Maryland.

<http://www.chesapeakebay.net/uaasupport.htm>

- 2010 Chesapeake Bay water quality criteria addendum

USEPA (U.S. Environmental Protection Agency). 2010a. *Ambient Water Quality Criteria for Dissolved Oxygen, Water Clarity and Chlorophyll a for the Chesapeake Bay and Its Tidal Tributaries: 2010 Technical Support for Criteria Assessment Protocols Addendum*. May 2010. EPA 903-R-10-002. CBP/TRS 301-10. U.S. Environmental Protection Agency, Region 3 Chesapeake Bay Program Office, Annapolis, MD.

Jurisdictions' Chesapeake Bay Water Quality Standards Regulations

- Maryland
- Virginia
- Delaware
- District of Columbia
- Chesapeake Bay 2008 303(d) Listings Assessments

Chesapeake Bay Cap Load Allocations

- 1991 Nutrient Load Allocations Reevaluation memorandum

Secretary Robert Perciasepe. 1992. Nutrient Reevaluation Load Allocations. October 14, 1992, Memorandum to the Principals' Staff Committee Members. Maryland Department of the Environment, Baltimore, MD.

- 1997 Nutrient Reevaluation Report

Chesapeake Bay Program. 1997. *Chesapeake Bay Nutrient Reduction Progress and Future Directions—Nutrient Reevaluation Summary Report*. October 1997. CBP/TRS 189/97. U.S. Environmental Protection Agency, Chesapeake Bay Program, Annapolis, MD.

- 1999 Virginia Tributaries Allocations Document
- 2003 Principals' Staff Committee memorandum

Secretary Tayloe Murphy. 2003. *Summary of Decisions Regarding Nutrient and Sediment Load Allocations and New Submerged Aquatic Vegetation (SAV) Restoration Goals*. April 25, 2003, Memorandum to the Principals' Staff Committee members and representatives of the Chesapeake Bay headwater states. Virginia Office of the Governor, Natural Resources Secretariate, Richmond, Virginia.

<http://www.chesapeakebay.net/pubs/doc-PSCmemo-09-2003.pdf>

- 2003 Bay Cap Load Allocation Document

U.S. Environmental Protection Agency. 2003. *Setting and Allocating the Chesapeake Bay Basin Nutrient and Sediment Loads: The Collaborative Process, Technical Tools and Innovative Approaches*. EPA 903-R-03-007. Region 3 Chesapeake Bay Program Office, Annapolis, Maryland.

<http://www.chesapeakebay.net/caploads.htm>

- EPA's November 4, 2009 Letter to Principals' Staff Committee transmitting the nitrogen and phosphorus target loads

USEPA (U.S. Environmental Protection Agency). 2009b. Letter from Region 3, Acting Administrator William C. Early to Secretary L. Preston Bryant, Virginia Department of Natural Resources, November 3, 2009.

- EPA's July 1, 2010 Letter to Principals' Staff Committee transmitting the nitrogen and phosphorus target loads

U.S. Environmental Protection Agency. 2010. Letter from Region 3 Administrator Shawn M. Garvin to the Chesapeake Bay Program Principals' Staff Committee Members, July 1, 2010.

- EPA's August 13, 2010 Letter to Principals' Staff Committee transmitting the sediment target loads

U.S. Environmental Protection Agency. 2010h. Letter from Region 3 Administrator Shawn M. Garvin to the Chesapeake Bay Program Principals' Staff Committee Members, August 13, 2010.

Chesapeake Bay Sediment Cap Load Allocations

- STAC Sedimentshed Workshop Report
Chesapeake Bay Program Scientific and Technical Advisory Committee (STAC). 2007. An Introduction to Sedimentshed: Sediment and Its Relationship to Chesapeake Bay Water Clarity. STAC Workshop Report, January 30-31, 2007, Annapolis, Maryland. STAC Publication 07-002.
- Sediment Workgroup's Sedimentsheds Report
Chesapeake Bay Program Sediment Workgroup. 2007. An Introduction to Sedimentshed: Sediment and Its Relationship to Chesapeake Bay Water Clarity. CBP-TRS-286-07. Chesapeake Bay Program, Annapolis, Maryland.
- Legacy Sediments Workshop Report 2005
- USGS Chesapeake Bay sediments compendium report

Chesapeake Bay Atmospheric Deposition Loads

- STAC Atmospheric Deposition Workshop Report-May 2007
- Shared Resources Workshops Reports

Chesapeake Bay Program Best Management Practices

- Phase 5.3 Chesapeake Bay Watershed model appendices documenting BMPs

- Mid-Atlantic Water Quality Program CBP BMP documentation—volumes one and two
- Original CBP BMP Protocol
- 2010 BMP Protocol
- Links to the two STAC peer reviews of the 2-year BMP reevaluation process

Chesapeake Bay Models Documentation

- Links to all Bay models independent scientific peer reviews and supporting documentation
- Chesapeake Bay Airshed Model documentation
- Phase 5 Chesapeake Bay Watershed Model documentation
- Chesapeake Bay water quality/sediment transport model documentation
- Documentation on the Chesapeake Bay filter feeder models
- Documentation on the 2030 land change projection models.
- EPA’s environmental model peer review guidance
<http://www.epa.gov/crem>

Chesapeake Bay Monitoring Program Documentation

- Chesapeake Bay Monitoring Program Atlas Volume 1 and 2

CBP (Chesapeake Bay Program). 1989a. *Chesapeake Bay Monitoring Program Atlas-Volume I: Water Quality and Other Physiochemical Monitoring Programs*. CBP/TRS 34/89. U.S. Environmental Protection Agency, Chesapeake Bay Program Office, Annapolis, MD.

CBP (Chesapeake Bay Program). 1989b. *Chesapeake Bay Monitoring Program Atlas-Volume II: Biological and Living Resource Monitoring Programs*. CBP/TRS 35/89. U.S. Environmental Protection Agency, Chesapeake Bay Program Office, Annapolis, MD.

- Nontidal network documentation
- Nontidal monitoring network peer review report
- Shallow-water monitoring document
- Shallow-water monitoring program peer review workshop report
- All STAC sponsored peer review documentation

- All STAC sponsored monitoring review workshops proceedings
- Prior published CBP monitoring strategies
- All the documents produced during the MRAT process
- Link to the CBP sampling and analysis protocols and procedures manual(s)

Chesapeake Bay Health and Restoration Assessment

- 2006 Bay Health Report
Chesapeake Bay Program. 2006. *Chesapeake Bay 2006 Health& Restoration Assessment Part One: Ecosystem Health. A Report to the Citizens of the Bay Region*. CBP/TRS/283/07. EPA 903 R-07-001.
- 2006 Bay Restoration Report
Chesapeake Bay Program. 2006. *Chesapeake Bay 2006 Health& Restoration Assessment Part Two: Restoration Efforts. A Report to the Citizens of the Bay Region*. CBP/TRS/284/07. EPA 903 R-07-002.
- 2007 Bay Health and Restoration Assessment Report
- 2008 Bay Health and Restoration Assessment Report
- 2009 Bay Health and Restoration Assessment Report
- 2010 Bay Health and Restoration Assessment Report

Chesapeake Action Plan

- Chesapeake Action Plan Report to Congress
- Chesapeake Action Plan
- 117 Report to Congress

Chesapeake Bay Climate Change Assessments

- STAC Climate Change Research and Chesapeake Bay Report

Chesapeake Bay Economic/Cost Effectiveness Evaluation

- 2004 Bay economic analyses document
U.S. Environmental Protection Agency. 2004. *Economic Analyses of Nutrient and Sediment Reduction Actions to Restore Chesapeake Bay Water Quality*. Region 3 Chesapeake Bay Program Office, Annapolis, Maryland.
<http://www.chesapeakebay.net/ecoanalyses.htm>

- Chesapeake Bay Commission Cost for a Clean Bay and other cost effectiveness report
- Blue Ribbon Panel Report

Chesapeake Bay NPDES Permitting

- July 2010 Urban Stormwater Permitting Approach

U.S. Environmental Protection Agency. 2004. *Urban Stormwater Approach for the Mid-Atlantic Region and Chesapeake Bay Watershed*. U.S. Environmental Protection Agency, Region 3, Philadelphia, PA.

- December 2004 Basinwide NPDES Permitting Approach

U.S. Environmental Protection Agency. 2004d. *NPDES Permitting Approach for Discharges of Nutrients in the Chesapeake Bay Watershed—December 2004*. U.S. Environmental Protection Agency, Region 3, Philadelphia, PA.

- March 2004 EPA Memorandum-Annual Permit Limits for Nitrogen and Phosphorus

U.S. Environmental Protection Agency. 2004c. Memorandum from James Hanlon to Jon Capacasa, March 3, 2004. Annual Permit Limits for Nitrogen and Phosphorus for Permits Designed to Protect Chesapeake Bay and its tidal tributaries from Excess Nutrient Loading under the National Pollutant Discharge Elimination System. U.S. Environmental Protection Agency, Washington, DC.

- Technical supporting documentation for the March 2004 EPA memorandum
Linker, L.C. 2003. *A Comparison of Estimated Water Quality Effects of Monthly and Annual Based Load Point Source Load Reductions*. U.S. Environmental Protection Agency, Chesapeake Bay Program Office, Annapolis, MD.

Linker, L.C. 2005. *Labile and Refractory Organic Nitrogen in Chesapeake Bay Wastewater Treatment Plants: Measurement and Model Simulation*. U.S. Environmental Protection Agency, Chesapeake Bay Program Office, Annapolis, MD.

- Chesapeake Bay Foundation's Petition
- EPA's Response to the Chesapeake Bay Foundation's Petition
- STAC Organic Nitrogen report
- WERF Workshop on Beyond LOT for Nitrogen and Phosphorus Proceedings

States' 303(d) Lists

- Maryland's 1998, 2006, and 2008 303(d) Lists for the Chesapeake Bay and Tidal Tributaries

- Virginia’s 1998, 2006, and 2008 303(d) Lists for the Chesapeake Bay and Tidal Tributaries
- Delaware’s 1998, 2006, and 2008 303(d) Lists for the Chesapeake Bay and Tidal Tributaries
- District of Columbia’s 1998, 2006, and 2008 303(d) Lists for the Chesapeake Bay and Tidal Tributaries
- EPA’s documentation for over-listing Virginia on their 1998 303(d) list for Chesapeake Bay and tidal tributaries

State TMDL Related Documentation

- November 1998 EPA/Maryland Department of the Environment TMDL MOU
- November 2004 EPA/Maryland Department of the Environment TMDL MOU and related EPA and MDE correspondence
- Virginia TMDL 1999 consent decree
- District of Columbia 2000 consent decree
- Delaware 1997 consent decree
- Maryland-EPA MOU (both versions)

EPA Published TMDL Related Guidance

- November 15, 2006 Ben Grumbles Memorandum-Establishing TMDL *DailyLoads* in Light of the Decisions by the U.S. Court of Appeals for the D.C. Circuit in *Friends of the Earth, Inc. v. EPA, et al.* No. 05-5015, (April 25, 2006) and Implications for NPDES Permits
- November 22, 2002 Memorandum Establishing Total Maximum Daily Load (TDML) Wasteload Allocations (WLAs) for Storm Water Sources and NPDES Permit Requirements Based on Those WLAs
- May 20, 2002 Charles Suffin Memorandum EPA Review of 202 Section 303(d) Lists and Guidelines for Reviewing TMDLs under Existing Regulations issues in 1992.
- August 8, 1997 Robert Perciasepe Memorandum New Policies for Establishing and Implementing Total Maximum Daily Loads (TMDLs)
- Guidelines for Reviewing TMDLs under Existing Regulations Issues in 1992
<http://www.epa.gov/owow/tmdl/guidance/final52002.html>
- U.S. EPA Protocol for Developing Sediment TMDLs-First Edition
<http://www.epa.gov/owow/tmdl/sediment/pdf/sediment.pdf>

- U.S. EPA Protocol for Developing Nutrient TMDLs-First Edition
<http://www.epa.gov/owow/tmdl/nutrient/pdf/nutrient.pdf>
- U.S. EPA 1998. Report of the Federal Advisory Committee on the Total Maximum Daily Load (TMDL) Program. EPA 100-R-98-006.
- U.S. EPA 1999. Draft Guidance for Water-Quality Based Decisions: the TMDL Process. EPA 841-D-99-001.
- U.S. EPA. 2001. Protocol for Developing Pathogen TMDLs: First Edition. EPA 841-R-00-002.
- U.S. EPA. 2002. Guidelines for Reviewing TMDLs under Existing Regulations Issues in 1992. May 20.

Chesapeake Bay TMDL Related Documentation

- Malcom Pirnie's Tech Memos on the hydrological critical period
- EPA technical response to Malcom Pirnie's Tech Memos on the hydrological critical period
- EPA's September 11, 2008 letter to the Principals' Staff Committee
- EPA's November 3, 2009 letter to the Principals' Staff Committee
- EPA's November 4, 2009 letter to the Principals' Staff Committee
- EPA's December 29, 2009 letter to the Principals' Staff Committee
- EPA's response to CBF's petition
- EPA's settlement for CBF's lawsuit

Other TMDL Related Documentation

WERF's *Navigating the TMDL Process: Evaluation and Improvements*. 2003.
National Resource Council. 2001. Assessing the TMDL Approach to Water Quality Management.

Chesapeake Bay States' Tributary Strategies/Implementation Plans

New York

<http://www.chesapeakebay.net/wqctributaryny.htm>

Pennsylvania

<http://www.dep.state.pa.us/hosting/pawatersheds/chesapeakebay/docs/TribStrategy.pdf>

Maryland

<http://www.dnr.state.md.us/bay/tribstrat/>

Delaware

<http://www.chesapeakebay.net/wqctributaryde.htm>

District of Columbia

http://www.chesapeakebay.net/pubs/waterqualitycriteria/doc-DC_Tributary_Strategy_2004_public_version_071204.pdf

Virginia

http://www.naturalresources.virginia.gov/Initiatives/TributaryStrategies/FinalizedTribStrats/ts_statewide_All.pdf

West Virginia

<http://www.wvnet.org/>

Chesapeake Bay Watershed States' Final Phase I Watershed Implementation Plans

- New York
- Pennsylvania
- Maryland
- Delaware
- District of Columbia
- Virginia
- West Virginia

Chesapeake Bay Watershed Implementation Plans Related Documentation

- EPA's November 4, 2009 expectations letter

U.S. Environmental Protection Agency. 2009. Letter from Region 3, Acting Administrator William C. Early to Secretary L. Preston Bryant, Virginia Department of Natural Resources, November 4, 2009.

http://www.epa.gov/reg3wapd/pdf/pdf_chesbay/tmdl_implementation_letter_110409.pdf

- EPA's December 29, 2010 federal action letter

U.S. Environmental Protection Agency. 2009. Letter from Region 3 Administrator Shawn M. Garvin to Secretary L. Preston Bryant, Virginia Department of Natural Resources, December 29, 2009.

http://www.epa.gov/region03/chesapeake/bay_letter_1209.pdf

- April 2010 A Guide for EPA's Evaluation of Watershed Implementation Plans

U.S. Environmental Protection Agency. 2010. *Guide for EPA's Evaluation of Phase I Watershed Implementation Plans*. U.S. Environmental Protection Agency, Region 3, Philadelphia, PA.

Two-year Milestones

- Basinwide Summary of the 2009-2011 Milestones
- New York 2009-2011 Milestones
- Pennsylvania 2009-2011 Milestones
- Maryland 2009-2011 Milestones
- Delaware 2009-2011 Milestones
- District of Columbia 2009-2011 Milestones
- Virginia 2009-2011 Milestones
- West Virginia 2009-2011 Milestones

Public Participation/Media

- Record of press releases
- Federal register notices
- Media advisories